BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

MEASUREMENT BOOK

Name of work :-Annual maintenance of street lights Package - D 1 In Kammagondanahalli surrounding area ward no 12

Job Code No :012-22-000004

Agreement No:EE/Ele/DZ/TEND/AGR/000009/2022-23 Date:31.03.2022

Ref no and Date of commencement of work Order :-:-EE/(Elec)/DZ/TEND/WO/000001/2022-23 Date:04-04-2022

Estimate Amount Rs. 2950000.00

Administartive Sanction No:EE/(Elec)/DZ/TEND/AS/10/2021-22 Date:21-03-2022

Technical Sanction No:EE/(Elec)/DZ/TEND/TS/127/2021-22 Date:05-01-2022

Name of Contractror of nature of Agency:- CHIKKANNA G (CHETHAN ELECTRICALS)

Measurement Book No: 3402 /18-19 Page No: Date:

Bill NO RA Bill Bill Period :- 1/02/2023 to 28/02/2023

Sl No.	Description	Unit	Period 1Month	Present Measurements			
				Qty	Tender Full Rate for 1 year	Rate/Month	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 36/40 W fluorescent tube light street lighting system.	Each	1	20	685.45	57.12	1142.40
	No of complaints attended for the period of 01.02.2023 to 28.02.2023						
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 125W HPMV Park lighting system.	Nos	1	22	756.29	63.02	1386.44
	No of complaints attended for the period of 01.02.2023 to 28.02.2023						
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system.	Each	1	1780	1019.41	84.95	151211
	No of complaints attended for the period of 01.12.2022 to 31.12.2022 230						
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system.	Each	1	80	1118.08	93.17	7453.60

EE (Ele)
DZ

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	No of complaints attended for the period of 01.02.2023 to 28.02.2023	12						
5	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street lighting system	Each	1	4	880.01	73.33	293.32	
	No of complaints attended for the period of 01.02.2023 to 28.02.2023							
6	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system	Each	1	350	1147.43	95.61	33463.50	
	No of complaints attended for the period of 01.02.2023 to 28.02.2023	70						
7	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system.	Each	1	90	1377.66	114.80	10332.00	
	No of complaints attended for the period of 01.02.2023 to 28.02.2023	73						
8	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for110/120 watt LED street light lighting system	Nos	1	0	1575.5	131.29	0	
	No of complaints attended for the period of 01.02.2023 to 28.02.2023							
9	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light /High mast lighting system.	Nos	1	0	1871.51	155.96	0	
	No of complaints attended for the period of 01.12.2022 to 31.12.2022							

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	and Installation / Fixing / Provision of Outdoor type Plastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust, water proof, corrosion proof having internally Embedded Earth on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB rating MCB along with complete tamper proof SEALING facility 300mmx450mmx214mm	Each	0	0	5127	0.00	0
	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps	Each	0	13	7200	0.00	93600
	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 50 63 Amps SP	Each	0	15	723	0.00	10845
	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each	0	14	4030	0.00	56420

L 0	POLE NO	ADDRESS
1	CHE/12/TC/KG/10/05/400/SV	# 521, 2nd cross, Sri krupa layout, Abbigere main road
2	CHE/12/TC/KG/18/09/528/SV	Near WIMAC Circle, 18th Cross, Kammgondanhalli
3	CHE/12/TC/AB/10/12/1256/LED	10th cross, near Narasimhaiah Temple,
4	CHE/12/TC/VL/06/02/318/SV	# 34, Dr Rajkumar Road, Vijaylakshmi Layout
5	CHE/12/TC/LP/03/08/121/SV	16th Cross, Varadaraja Nagar, Lakshmipura
6	CHE/12/TC/AB/01/00/17/3597/LED	Behind BBMP ward office, Abbigere Dinne
7	CHE/12/TC/AB/04/06/3121/SV	# 126, 1st cross, Abiigere Pipeline Road
8	New Pole	# 82/66, Srikanda nilayam, 11th Main, 12th cross, Raghavendra Layout
9	CHE/12/TC/KG/09/12/312/SV	Near Lakshmi Temple, Kempegowda Garden
10	CHE/12/TC/NL/01/06/729/SV	#121, Kauveri road, 3rd cross, Nisarga Layout
11	CHE/12/TC/KG/12/18/621/SV	Opp Bevy Insight, 1st Main, Kammagondanahalli
12	CHE/12/TC/VL/12/10/2561/LED	Near Kamal Solar Service, 4th cross, Visheshwara Layout
13	CHE/12/TC/LL/07/05/331/SV	Opp Brahmin Kafe, Srikrupa layout main road, Lakshmiah layout
14	CHE/12/TC/KN/04/01/131/LED	# 78, near Lulu Departmental store 11th Main, Kalanagar
15	CHE/12/TC/AB/01/00/14/3497/SV	opp Sun look hair salon, 11th main, Shettihallikere,
16	CHE/12/TC/LP/04/06/311/0	Near Projector repair Electronic store, lakshmipura Main road
17	CHE/12/TC/KN/02/04/105/SV	Opp Muneshwara Temple, 1st Main, Kaveri enclave, Kanshiram nagara
18	CHE/12/TC/SG/03/15/429/LED	Behind Krishna Fancy & book store, NTC main road, Singapura Garden
19	CHE/12/TC/SV/09/05/720/SV	# 221, Satyabhama cross, Singapura Village

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14	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments 6 sqmm	Mtr	0	0	70	0.00	0
15	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 6 sqmm	Each	0	50	7	0.00	350

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	TOTAL						366497.26
	Add GST 12 % on Item no 10 to 15						19345.80
	TOTAL Rs						385843.06
	Fine imposed for non burning of street lights For the period of 01/02/2023 to 28/02/2023						3200.00
	As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material						4105.65
	GRAND TOTAL						378537.41

CERTIFICATE

1.This is to certify that the work done is saticefactorily.

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Dasarahalli Division

Asst.Exe.Engineer(Elec)
Dasrahalli Division

Executive Engineer(Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone.

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